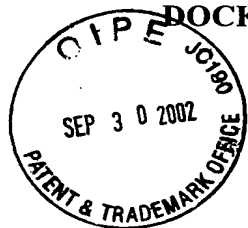


RECEIVED

OCT 02 2002

1636



DOCKET NO.: SMAR-0013

TECH CENTER 1600/2900

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#8/158  
10/2/02

In Re Application of:

Michael R. Hayden, et al.

Serial No.: 10/019,341

Group Art Unit: Not Yet Assigned

Filing Date: May 3, 2002

Examiner: Not Yet Assigned

For: LPL VARIANT THERAPEUTICS

DATE OF DEPOSIT: September 26, 2002

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231.

Phillip A. Singer  
TYPED NAME: Phillip A. Singer  
REGISTRATION NO.: 40,176

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

### INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).



In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

- ☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of **\$180.00** as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of **\$180.00** as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of **\$180.00** as set forth in §1.17(p).
- ☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
- ☒ In view of the voluminous nature of references **11, 38 ,53,108,,** and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

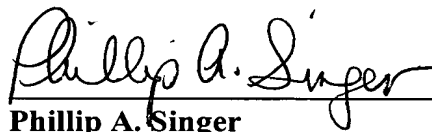
- ☐ In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:
- ☐ Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. , filed .
- ☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

This form is submitted in duplicate.

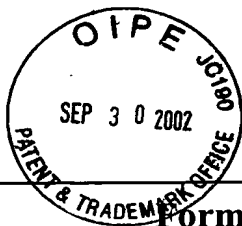
There are no listed references which are not in the English language.

Date: September 26, 2002



**Phillip A. Singer**  
Registration No. 40,176

WOODCOCK WASHBURN LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439



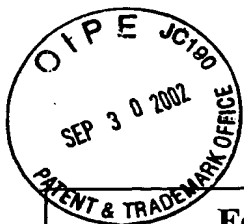
**RECEIVED**

OCT 02 2002

TECH CENTER 1600/2900

Sheet 1 of 15

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>SMAR-0013</b>	Serial No. <b>10/019,341</b>
		Applicant <b>Hayden, M.R. et al.</b>	
		Filing Date <b>May 3, 2002</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>1</b>	Ascadi, G. et al., "Human dystrophin expression in mdx mice after intramuscular injection of DNA constructs", <i>Nature</i> , <b>1991</b> , 352, 815-818	
	<b>2</b>	Altschul, S.F. et al., "Basic Local Alignment Search Tool", <i>J. Mol. Biol.</i> , <b>1990</b> , 215, 403-410	
	<b>3</b>	Anderson, W. F., "The Best of Times, the Worst of Times", <i>Science</i> , <b>2000</b> , 288, 627-629	
	<b>4</b>	Armentano, D. et al., "Expression of Human Factor IX in Rabbit Hepatocytes by Retrovirus-Mediated Gene Transfer: Potential for Gene Therapy of Hemophilia B", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1990</b> , 87, 6141-6145	
	<b>5</b>	Assmann, G. MD. et al., "Relation of High-Density Lipoprotein Cholesterol and Triglycerides to Incidence of Atherosclerotic Coronary Artery Disease(the PROCAM Experience)", <i>Am. J. Cardiol.</i> , <b>1992</b> , 70, 733-737	
	<b>6</b>	Baldari, et al., "A novel leader peptide which allows efficient of a fragment of human interleukin 1 $\beta$ in <i>Saccharomyces cerevisiae</i> ", <i>EMBO J.</i> , <b>1987</b> , 6(1), 229-234	
	<b>7</b>	Baliga, et al., "High fat meal induces changes in blood rheology in patients with coronary artery disease", <i>70<sup>th</sup> Scientific Sessions of the AHA</i> , 2206	
	<b>8</b>	U. Beisiegel, "Lipoprotein Metabolism", <i>European Heart Journal</i> , <b>1998</b> , 19, A20-A23	
	<b>9</b>	Benlian, P. MD., Ph.D. et al., "Premature atherosclerosis in patients with familial chylomicronemia caused by mutations in the lipoprotein lipase gene", <i>The New England Journal of Medicine</i> , <b>1996</b> , 335, 848-854	
	<b>10</b>	Berkner, K.L. "Development of Adenovirus Vectors for the Expression of Heterologous Genes", <i>BioTechniques</i> , <b>1988</b> , 6(7), 616-629	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

**RECEIVED**

OCT 02 2002

TECH CENTER 1600/2900

Sheet 2 of 15

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**SMAR-0013**

Serial No.  
**10/019,341**

Applicant  
**Hayden, M.R. et al.**

Filing Date  
**May 3, 2002**

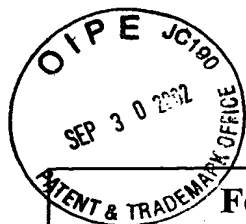
Group  
**Not Yet Assigned**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

*	11	Bethesda:Lipids Research Clinics Program, <i>NIH(National Institute of Health) Publication, 1974, Vol 75</i>
	12	Black, M.E. et al., "Creation of Drug-Specific Herpes Simplex Virus Type 1 Thymidine Kinase Mutants for Gene Therapy", <i>Proc. Natl. Acad. Sci. USA, 1996, 93, 3525-3529</i>
	13	Brunzell, J.D. et al., "Structure-function relationships of lipoprotein lipase: mutation analysis and mutagenesis of the loop region", <i>Journal of Lipid Research, 1993, 34, (9), 1593-1602</i>
	14	Brunzell, J.D. "Familial Lipoprotein Lipase Deficiency and Other Causes of the Chylomicronemia Syndrome", <i>The Metabolic and Molecular Bases of Inherited Disease, New York, NY, McGraw-Hill, Inc., 1995, 59, 1913-1932</i>
	15	Cavazzana-Calvo, M. "Gene Therapy of Human Severe Combined Immunodeficiency (SCID)-X1 Disease", <i>Science, 2000, 288, 669-672</i>
	16	Chowdhury, J.R. et al., "Long-Term Improvement of Hypercholesterolemia After ex Vivo Gene Therapy in LDLR-Deficient Rabbits", <i>Science, 1991, 254, 1802-1805</i>
	17	Clapp, D.W. et al., "Fetal Liver Hematopoietic Stem Cells As a Target for In Utero Retroviral Gene Transfer", <i>Blood, 1991, 78, 1132-1139</i>
	18	Cohen, J.C. et al., "Postprandial lipemia and chylomicron clearance in athletes and in sedentary men", <i>Am. J. Clin. Nutr., 1998, 49, 443-447</i>
	19	Cristiano, R.J. et al., "Hepatic Gene Therapy: Adenovirus Enhancement of Receptor-Mediated Gene Delivery and Expression in Primary Hepatocytes", <i>Proc. Of the Nat'l Academy of Sciences, 1993, 90, 2122-2126</i>
	20	Curiel, D.T. et al., "Adenovirus Enhancement of Transferrin-Polylysine-Mediated Gene Delivery", <i>Proc. Natl. Acad. Sci. USA, 1991, 88, 8850-8854</i>

**EXAMINER****DATE CONSIDERED**

\* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

**RECEIVED**

OCT 02 2002

TECH CENTER 1600/2900

Sheet 3 of 15

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**SMAR-0013**

Serial No.  
**10/019,341**

Applicant  
**Hayden, M.R. et al.**

Filing Date  
**May 3, 2002**

Group  
**Not Yet Assigned**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

- |    |                                                                                                                                                                                                                                                                  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21 | Dai, Y. et al., "Gene Therapy Via Primary Myobalsts: Long-Term Expression of Factor IX Protein Following Transplantation in vivo", <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89(22), 10892-10895                                                                 |
| 22 | Danos, O. et al., "Safe and Efficient Generation of Recombinant Retroviruses with Amphotropic and Ecotropic Host Ranges", <i>Proc. Natl. Acad. Sci. USA</i> , 1988, 85(17), 6460-6464                                                                            |
| 23 | Davies, Michael J. MD. "Stability and Instability: Two Faces of Coronary Atherosclerosis: The Paul Dudley White Lecture 1995", <i>Circulation</i> , 1996, 94(8), 2013-2020                                                                                       |
| 24 | Eglitis, M.A. et al., "Gene Expression in Mice after High Efficiency Retroviral-Mediated Gene Transfer", <i>Science</i> , 1985, 230, 1395-1398                                                                                                                   |
| 25 | Eyre-Walker, A. et al., "High genomic deleterious mutation rates in hominids", <i>Nature</i> , 1999, 397, 344-347                                                                                                                                                |
| 26 | Excoffon, K. J.D. et al., "Correction of Hypertriglyceridemia and Impaired Fat Tolerance in Lipoprotein Lipase-Deficient Mice by Adenovirus-Mediated Expression of Human Lipoprotein Lipase", <i>Arterioscler. Thromb. Vasc. Biol.</i> , 1997, 17(11), 2532-2539 |
| 27 | Faure, L. et al., "Prevalence of common lipoprotein lipase (LPL) gene mutation Ser447Stop is increased while prevalence of Asn291Ser mutation is decreased in centenarians", <i>Atherosclerosis</i> , 1997, 134, p 1.P.26                                        |
| 28 | Feinleib, M. et al., "The Framingham Offspring Study. Design and Preliminary Data", <i>Prevent. Med.</i> , 1975, 4, 518-525                                                                                                                                      |
| 29 | Ferry, N. et al., "Retroviral-Mediated Gene Transfer Into Hepatocytes in vivo", 1991, 88(19), 8377-8381                                                                                                                                                          |
| 30 | Fisher, R.M. et al., "Common variation in the lipoprotein lipase gene: effects on plasma lipids and risk of atherosclerosis", <i>Atherosclerosis</i> , 1997, 135, 145-159                                                                                        |

**EXAMINER****DATE CONSIDERED**



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>SMAR-0013</b>	Serial No. <b>10/019,341</b>
		Applicant <b>Hayden, M.R. et al.</b>	
		Filing Date <b>May 3, 2002</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>31</b>	Flotte, T.R. et al., "Gene Expression from Adeno-associated Virus Vectors in Airway Epithelial Cells", <i>Am. J. Respir. Cell. Mol. Biol.</i> , <b>1992</b> , 7, 349-356	
	<b>32</b>	Flotte, T.R. et al., "Expression of the Cystic Fibrosis Transmembrane Conductance Regulator from a Novel Adeno-associated Virus Promoter", <i>J. Biol. Chem.</i> , <b>1993</b> , 268(5), 3781-3790	
	<b>33</b>	Gagne, E. et al., "Analysis of DNA Changes in the LPL Gene in Patients With Familial Combined Hyperlipidemia", <i>Arterioscl. Thromb.</i> , <b>1994</b> , 14(8), 1250-1257	
	<b>34</b>	Gagne, SE. et al., "A common truncation variant of lipoprotein lipase (Ser447X) confers protection against coronary heart disease: the Framingham Offspring Study", <i>Clin. Genet.</i> , <b>1999</b> , 55(6), 450-454	
	<b>35</b>	Garenc, C. et al., "Linkage and Association Studies of the Lipoprotein Lipase Gene with Postheparin Plasma Lipase Activities, Body Fat, and Plasma Lipid and Lipoprotein Concentrations: The HERITAGE Family Study", <i>Metabolism</i> , <b>2000</b> , 49(4), 432-439	
	<b>36</b>	Gaziano, J. MD et al., "Fasting Triglycerides, High Density Lipoprotein, and Risk of Myocardial Infarction", <i>Circulation</i> , <b>1997</b> , 96(8), 2520-2525	
	<b>37</b>	Gehrisch, S. MD., "Common Mutations of the Lipoprotein Lipase Gene and Their Clinical Significance", <i>Curr. Atheroscler. Rep.</i> , <b>1999</b> , 1(1), 70-78	
*	<b>38</b>	Goeddel, <i>Gene Expression Technology: Methods in Enzymology</i> , <b>1990</b> , vol 185, Academic Press, San Diego, California	
	<b>39</b>	Groenemeijer, B.E. MD. Et al., "Genetic Variant Showing a Positive Interaction with beta-Blocking Agents with a Beneficial Influence on Lipoprotein Lipase Activity, HDL Cholesterol, and Triglyceride Levels in Coronary Artery Disease Patients: The Ser sup 447-Stop Substitution in the Lipoprotein Lipase Gene", <i>Circulation</i> , <b>1997</b> , 95(12), 2628-2635	
	<b>40</b>	Gronholdt, M-L M. MD. Et al., "Echo-Lucency of Computerized Ultrasound Images of Carotid Atherosclerotic Plaques are Associated with increased Levels of Triglyceride-Rich Lipoproteins as Well as Increased Plaque Lipid Content", <i>Circulation</i> , <b>1998</b> , 97(1), 34-40	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

\* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

**RECEIVED**

OCT 02 2002

**TECH CENTER 1600/2900**

Sheet 5 of 15

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**SMAR-0013**

Serial No.  
**10/019,341**

Applicant  
**Hayden, M.R. et al.**

Filing Date  
**May 3, 2002**

Group  
**Not Yet Assigned**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	41	Hamsten, A. MD. Et al., "Increased Plasma Levels of a Rapid Inhibitor of Tissue Plasminogen Activator in Young Survivors of Myocardial Infarction", <i>N. Engl. J. Med.</i> , <b>1985</b> , 313(25), 1557-1563
	42	Hasdai, D. MD. Et al., "Coronary Endothelial Dysfunction in Humans is Associated with Myocardial Perfusion Defects", <i>Circulation</i> , <b>1997</b> , 96(10), 3390-3395
	43	Hayden, MR. Et al., "Gene environment interaction and plasma triglyceride levels: the crucial role of lipoprotein lipase", <i>Clin Genet</i> , <b>1994</b> , 46, 15-18
	44	Henderson, H.E. et al., "Amino Acid Substitution (Ile 194THR) in Exon 5 of the Lipoprotein Lipase Gene Causes Lipoprotein Lipase Deficiency in Three Unrelated Proband", <i>Journal of Clinical Investigation</i> , <b>1991</b> , 87, 2005-2011
	45	Henderson, H.E. et al., "Lipoprotein lipase activity is decreased in a large cohort of patients with coronary artery disease and is associated with changes in lipids and lipoproteins", <i>Journal of Lipid Research</i> , <b>1999</b> , 40, 735-743
	46	Henikoff, S. et al., "Amino Acid Substitution Matrices from Protein Blocks", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1992</b> , 89(12), 10915-10919
	47	Hermonat, P.L. et al., "Use of Adeno-Associated Virus as a Mammalian DNA Cloning Vector: Transduction of Neomycin resistance into Mammalian Tissue Culture Cells", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1984</b> , 81(20), 6466-6470
	48	Herz, J. et al., "Adenovirus-Mediated transfer of Low Density Lipoprotein Receptor Gene Acutely Accelerates Cholesterol Clearance in Normal Mice", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1993</b> , 90(7), 2812-2816
	49	Hexter, A. "Selective Advantage of the Sickle-Cell Trait", <i>Science</i> , <b>1968</b> , 160, 436
	50	Hodis, H.N. et al., "Triglyceride-rich lipoproteins and the progression of coronary artery disease", <i>Curr. Opin. Lipid</i> , <b>1995</b> , 6, 209-214

**EXAMINER****DATE CONSIDERED**





OCT 02 2002

TECH CENTER 1600/2900

Sheet 6 of 15

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>SMAR-0013</b>	Serial No. <b>10/019,341</b>
		Applicant <b>Hayden, M.R. et al.</b>	
		Filing Date <b>May 3, 2002</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	51	Hokanson, J.E. "Lipoprotein lipase gene variants and risk of coronary disease: a quantitative analysis of population-based studies", <i>Int. J. Clin. Lab Res.</i> , <b>1997</b> , 27, 24-34	
	52	Hokanson, J.E. et al., "Plasma triglyceride level is a risk factor for cardiovascular disease independent of high-density lipoprotein cholesterol level: a meta-analysis of population-based prospective studies", <i>J. Cardiovasc. Risk</i> , <b>1996</b> , 3, 213-219	
*	53	Hosmer, et al., <i>Applied Logistic Regression</i> , New York: John Wiley & Sons, <b>1989</b> , 1	
	54	Huber, B.E. et al., "Retroviral-Mediated Gene Therapy for the Treatment of Hepatocellular carcinoma: An Innovative Approach for Cancer Therapy", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1991</b> , 88, 8039-8043	
	55	Hwu, P. et al., "Functional and Molecular Characterization of Tumor-Infiltrating Lymphocytes Transduced with Tumor Necrosis Factor- $\alpha$ cDNA for the Gene Therapy of Cancer in Humans", <i>J. Immunol.</i> , <b>1993</b> , 150, 4104-4115	
	56	Inoue, T. et al., "Serum Level of Remnant Like Particles-CHolesterol Affects the Endothelium-Dependent Coronary Vascular Response in Human", <i>70<sup>th</sup> Scientific Sessions of the AHA</i> , 2208	
	57	Jukema, J. et al., "Coronary Artery Disease/Myocardial Infarction: Effects of Lipid Lowering by Pravastatin on Progression and egression of Coronary Artery Disease in Symptomatic Men with Normal to Moderately Elevated Serum Cholesterol Levels: The Regression Growth Evaluation Statin Study (REGRESS)", <i>Circulation</i> , <b>1995</b> , 91(10), 2528-2540	
	58	Jukema, J. et al., "Prevention of Cardiovascular Disease: The Asp sub 9 Asn Mutation in the Lipoprotein Lipase Gene is Associated with Increased Progression of Coronary Atherosclerosis", <i>Circulation</i> , <b>1996</b> , 94(8), 1913-1918	
	59	Kastelein, J.J.P. MD, PhD, et al., "Lipoprotein Lipase Activity is Associated with Severity of Angina Pectoris", <i>Circulation</i> , <b>2000</b> , 102(14), 1629-1633	
	60	Kaufman, R.J. et al., "Translational efficiency of polycistronic mRNAs and their utilization to express heterologues genes in mammalian cells", <i>EMBO J.</i> , <b>1987</b> , 6, 187-193	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

\* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

**RECEIVED**

OCT 02 2002

TECH CENTER 1600/2900

Sheet 7 of 15

<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>SMAR-0013</b>	Serial No. <b>10/019,341</b>
		Applicant <b>Hayden, M.R. et al.</b>	
		Filing Date <b>May 3, 2002</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>61</b>	Kay, M.A. et al., "Hepatic Gene Therapy: Persistent Expression of Human $\alpha$ 1-Antitrypsin in Mice after Direct Gene Delivery <i>In Vivo</i> ," <i>Human Gene Therapy</i> , <b>1992</b> , 3,641-647	
	<b>62</b>	Keyt, B.A. et al., "A Faster-Acting and More Potent Form of Tissue Plasminogen Activator", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1994</b> , 91(9), 3670-3674	
	<b>63</b>	Khoury, et al., <i>Fundamentals of Genetic Epidemiology: Oxford University Press, Oxford</i> , <b>1993</b> , 49-54	
	<b>64</b>	Kleinbaum, et al., "Multiple Regression Analysis: General Considerations", <i>Applied Regression Analysis and Other Multivariable Methods</i> , 2 <sup>nd</sup> ed. Boston, MA: PWS-Kent Publishing Company, <b>1988</b> , 102-340	
	<b>65</b>	Kramer, W. et al., "Liver-specific Drug Targeting by Coupling to Bile Acids", <i>J. Biol. Chem.</i> , <b>1992</b> , 267(26), 18598-18604	
	<b>66</b>	Krapp, A. et al., "Structural features in lipoprotein lipase necessary for the mediation of lipoprotein uptake into cells", <i>J. Lipid. Res.</i> , <b>1995</b> , 36(11), 2362-2373	
	<b>67</b>	Kugiyama, K. et al. "Remnant Lipoproteins Impair Endothelium-dependent Vasomotor Functions in Human Coronary Arteries", <i>70<sup>th</sup> Scientific Sessions of the AHA</i> , 2207	
	<b>68</b>	Kuivenhoven J.A. et al., "Ser 447stop Mutation in Lipoprotein Lipase Is Associated With Elevated Hdl Cholesterol Levels in Normolipidemic Males", <i>Arteriosclerosis, Thrombosis and Vascular Biology</i> , <b>1997</b> , 17, 595-599	
	<b>69</b>	Kurjan, J. et al, "Structure of a Yeast Pheromone Gene (Mfa): A Putative $\alpha$ -Factor Precursor Contains Four Tandem Copies of Mature $\alpha$ -Factor", <i>Cell</i> , <b>1982</b> , 30, 933-943	
	<b>70</b>	Lemarchand, P. et al., "Adenovirus-Mediated Transfer of a Recombinant Human $\alpha$ 1-Antitrypsin cDNA to Human Endothelial Cells", <i>Proc. Natl. Acad. Sci. USA.</i> , <b>1992</b> , 89(14), 6482-6486	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

**RECEIVED**

OCT 02 2002

Sheet 8 of 15

**Form PTO-1449 Modified****TECH CENTER 1600/2900**

Docket No.

**SMAR-0013**

Serial No.

**10/019,341**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Applicant

**Hayden, M.R. et al.**

Filing Date

**May 3, 2002**

Group

**Not Yet Assigned****OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

71	Liu, M-S. Et al., "Mapping of the epitope on lipoprotein lipase recognized by a monoclonal antibody (%D2) which inhibits lipase activity", <i>Biochim. Biophys. Acta.</i> , <b>1992</b> , 1128(1), 113-115
72	Liu, G. et al., "Efficient Adenovirus-Mediated Ectopic Gene Expression of Human Lipoprotein Lipase in Human Hepatic (HepG2) Cells", <i>Hum. Gene. Ther.</i> , <b>1997</b> , 8(2), 205-214
73	Liu, G. et al., "Enhanced lipolysis in normal mice expressing liver-derived human lipoprotein lipase after...", <i>Clin. Invest. Med.</i> , <b>1998</b> , 21(4-5), 172-185
74	Liu, G. et al., "Phenotypic Correction of Feline Lipoprotein Lipase Deficiency by Adenoviral Gene Transfer", <i>Hum. Gene. Ther.</i> , <b>2000</b> , 11, 21-32
75	Luckow, V.A. et al., "High Level Expression of Nonfused Foreign Genes with <i>Autographa californica</i> Nuclear Polyhedrosis Virus Expression Vectors", <i>Virology</i> , <b>1989</b> , 170, 31-39
76	Lundman, P. MD. Et al., "Transient Triglyceridemia Decreases Vascular Reactivity in Young, Healthy Men Without Risk Factors for Coronary Heart Disease", <i>Circulation</i> , <b>1997</b> , 96(10), 3266-3268
77	Ma, Y. et al., "Two Naturally Occurring Mutations at the First and Second Bases of Codon Aspartic Acid 156 in the Proposed Catalytic Triad of Human Lipoprotein Lipase", <i>J. Biol. Chem.</i> , <b>1992</b> , 267(3), 1918-1923
78	Ma, Y. et al., "Mutagenesis in four candidate heparin binding regions (residues 279-282, 291-304, 390-393, and 439-448) and identification of residues affecting heparin binding of human lipoprotein lipase", <i>J. Lipid. Res.</i> , <b>1994</b> , 35(11), 2049-2059
79	Ma, Y. et al., "A Missense Mutation (Asp250 Asn) in Exon 6 of the Human Lipoprotein Lipase Gene Causes Chylomicronemia in Patients of Different Ancestries", <i>Genomics</i> , <b>1992</b> , 13, 649-653
80	Ma, Y. et al., "A 4 basepair deletion in exon 4 of the human lipoprotein lipase gene results in type I hyperlipoproteinemia", <i>Human Molecular Genetics</i> , <b>1993</b> , 2(7), 1049-1050

**EXAMINER****DATE CONSIDERED**

RECEIVED

OCT 02 2002

TECH CENTER 1600/2000

Sheet 9 of 15

## Form PTO-1449 Modified

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
SMAR-0013

Serial No.  
10/019,341

Applicant  
Hayden, M.R. et al.

Filing Date  
May 3, 2002

Group  
Not Yet Assigned

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- |    |                                                                                                                                                                                                                                                       |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 81 | Ma, Y. et al., "Gene-Environment Interaction in the Conversion of a Mild-to-Severe Phenotype in a Patient Homozygous for a Ser 172 Cys Mutation in the Lipoprotein Lipase Gene", <i>J. Clin. Invest.</i> , <b>1993</b> , 91(5), 1953-1958             |
| 82 | Ma, Y. et al., "High frequency of mutations in the human lipoprotein lipase gene in pregnancy-induced chylomicronemia: possible association with apolipoprotein E2 isoform", <i>J. Lipid. Res.</i> , <b>1994</b> , 35(6), 1066-1075                   |
| 83 | Maily, F. et al., "A Common Variant in the Gene for Lipoprotein Lipase (Asp9-Asn): Functional Implications and Prevalence in Normal and Hyperlipidemic Subjects", <i>Arterioscler. Thromb. Vasc. Biol.</i> , <b>1995</b> , 15(4), 468-478             |
| 84 | Marenberg, M.E. et al., "Genetic Susceptibility to Death from Coronary Heart Disease in a Study of Twins", <i>New Engl. J. Med.</i> , <b>1994</b> , 330, 1041-1046                                                                                    |
| 85 | Mattei, M.G. et al., "Assignment of the human lipoprotein lipase (LPL) gene to chromosome band 8p22", <i>Cytogenet Cell Genet.</i> , <b>1993</b> , 63, 45-46                                                                                          |
| 86 | Mattu, R.K. et al., "DNA Variants at the LPL Gene Locus Associate with Angiographically Defined Severity of Atherosclerosis and Serum Lipoprotein Levels in a Welsh Population", <i>Arteriosclerosis and Thrombosis</i> , <b>1994</b> , 14, 1090-1097 |
| 87 | McLaughlin, S.K. et al., "Adeno-Associated Virus General Transduction Vectors: Analysis of Proviral Structures", <i>J. Virol.</i> , <b>1989</b> , 62, 1963-1973                                                                                       |
| 88 | Miller, A.D. "Progress Toward Human Gene Therapy", <i>Blood</i> , <b>1990</b> , 76(2), 271-278                                                                                                                                                        |
| 89 | Monsalve, M.V. et al., "A Missense Mutation at Codon 188 of the Human Lipoprotein Lipase Gene Is a Frequent Cause of Lipoprotein Lipase Deficiency in Persons of Different Ancestries", <i>J. Clin. Invest.</i> , <b>1990</b> , 86(3), 728-734        |
| 90 | Moss, J. "Peptide Prodrugs Designed to Limit Metabolism, Rationale and Applications of the Prodrug Concept for Pwptides", <i>Peptide-Based Drug Design: Controlling Transport and Metabolism</i> , <b>1995</b> , 18, 423-448                          |

EXAMINER

DATE CONSIDERED



**RECEIVED**

OCT 02 2002

TECH CENTER 1600/2900

Sheet 10 of 15

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**SMAR-0013**

Serial No.  
**10/019,341**

Applicant  
**Hayden, M.R. et al.**

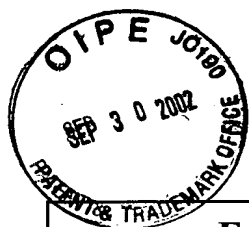
Filing Date  
**May 3, 2002**

Group  
**Not Yet Assigned**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

91	Murthy, V. et al., "Molecular Pathobiology of the Human Lipoprotein Lipase Gene", <i>Pharmacol. Ther.</i> , <b>1996</b> , 70(2), 101-135
92	Muzyczka, N., "Use of Adeno-Associated Virus as a General Transduction Vector for Mammalian Cells", <i>Curr. Topics in Micro. And Immunol.</i> , <b>1992</b> , 158, 97-129
93	Needleman, S.B. et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", <i>Mol. Biol.</i> , <b>1970</b> , 48, 443-453
94	Nilsson-Ehle, P. et al., "A stable, radioactive substrate emulsion for assay of lipoprotein lipase", <i>J. Lipid. Res.</i> , <b>1976</b> , 17, 536-541
95	Olivecrona, G. et al., "Transport of lipoprotein lipase and lipoprotein metabolism", <i>Artherosclerosis X. Woodford et al, eds.</i> , 250-253
96	Olivecrona, G. et al., "Noncatalytic functions of Lipoprotein Lipase", <i>Methods Enzymol</i> , <b>1997</b> , 286, 102-116
97	Pearson, W.R. et al., "Improved Tools for Biological Sequence Comparasion", <i>Proc. Natl. Acad. Sci. USA.</i> , <b>1988</b> , 85(8), 2444-2448
98	Pimstone, S.N. et al., "A frequently occurring mutation in the lipoprotein lipase gene (Asn291Ser) results in altered postprandial chylomicron triglyceride and retinyl palmitate response in normolipidemic carriers", <i>J. Lipid. Res.</i> , <b>1996</b> , 37, 1675-1684
99	Quantin, B. et al., "Adenovirus as an Expression Vector in Muscle Cells in vivo", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1992</b> , 89(7), 2581-2584
100	Quyyumi, A.A. et al., "Nitric Oxide Activity in the Human Coronary Circulation", <i>J. Clin. Invest.</i> , <b>1995</b> , 95, 1747-1755

**EXAMINER****DATE CONSIDERED**

**RECEIVED**

OCT 02 2002

TECH CENTER 1600/2900

Sheet 11 of 15

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
**SMAR-0013**

Serial No.  
**10/019,341**

Applicant  
**Hayden, M.R. et al.**

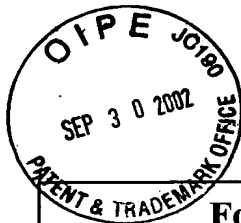
Filing Date  
**May 3, 2002**

Group  
**Not Yet Assigned**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	<b>101</b>	Reichardt, J.K. V. et al., "Genetic Variability of the Human SRD5A2 Gene: Implications for Prostate Cancer Risk", <i>Cancer Res.</i> , <b>1995</b> , 55, 3973-3975
	<b>102</b>	Renier, G. et al., "Lipoprotein Lipase Synergizes with Interferon Gamma to Induce Macrophage Nitric Oxide Synthetase mRNA Expression and Nitric Oxide Production", <i>Arterioscler Thromb. Vasc. Biol.</i> , <b>1995</b> , 15, 392-399
	<b>103</b>	Reymer, P. W.A. et al., "A lipoprotein lipase mutation (Asn291Ser) is associated with reduced HDL cholesterol levels in premature atherosclerosis", <i>Nat. Genet.</i> , <b>1995</b> , 10, 28-33
	<b>104</b>	Rosenfeld, M.A. et al., "Adenovirus-Mediated Transfer of a recombinant $\alpha$ 1-Antitrypsin Gene to the Lung Epithelium in Vivo", <i>Science</i> , <b>1991</b> , 252, 431-434
	<b>105</b>	Rosenfeld, M.A. et al., "In Vivo Transfer of the Human Cystic Fibrosis Transmembrane Conductance Regulator Gene to the Airway Epithelium", <i>Cell</i> , <b>1992</b> , 68, 143-155
	<b>106</b>	Samson, M. et al., "Resistance to HIV-1 infection in caucasian individuals bearing mutant alleles of the CCR-5 chemokine receptor gene", <i>Nature</i> , <b>1996</b> , 382, 722-725
	<b>107</b>	Samulski, R.J. et al, "Helper-Free Stocks of Recombinant Adeno-Associated Viruses: Normal Integration Does Not Require Viral Gene Expression", <i>J. Virol</i> , <b>1989</b> , 63,(9), 3822-3828
*	<b>108</b>	SAS Institute, Inc., <i>SAS/STAT Software: Changes and Enhancements through release 6.11</i> . Cary, NC: SAS Institute, Inc.
	<b>109</b>	Schultz, L.D. et al., "Expression and secretion in yeast of a 400-kDa envelope glycoprotein derived from Epstein-Barr virus", <i>Gene</i> , <b>1987</b> , 54, 113-123
	<b>110</b>	Seed, B. "An LFA-3 cDNA encodes a phospholipid-linked membrane protein homologous to its receptor CD2", <i>Nature</i> , <b>1987</b> , 329, 840-842

**EXAMINER****DATE CONSIDERED**

**RECEIVED**

OCT 02 2002

Sheet 12 of 15

**Form PTO-1449****TECH CENTER 1600/2900**

Pocket No.

**SMAR-0013**

Serial No.

**10/019,341**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Applicant

**Hayden, M.R. et al.**

Filing Date

**May 3, 2002**

Group

**Not Yet Assigned****OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

111	Sing, K. et al., "Lipoprotein lipase gene mutations, plasma lipid levels, progression/regression of coronary atherosclerosis, response to therapy, and future clinical events Lipoprotein and Coronary Atherosclerosis Study", <i>Atherosclerosis</i> , <b>1999</b> , 144, 435-442
112	Smith, T.F. et al., "Comparasion of Biosequences", <i>Adv. Appl. Math.</i> , <b>1981</b> , 2, 482-489
113	Smith, G.E. et al., "Production of Human Beta Interferon in Insect Cells Infected with a Baculovirus Expression Vecotr", <i>Mol. Cell. Biol.</i> , <b>1983</b> , 3(12), 2156-2165
114	Sparkes, R.S. et al., "Human Genes Involved in Lipolysis of Plasma Lipoproteins: Mpping of Loci for Lipoprotein Lipase to 8p22 and Hepatic Lipase to 15q21", <i>Genomics</i> , <b>1987</b> , 1(2), 138-144
115	Steinberg, H.O. MD., "Endothelial Dysfunction is Associated with Cholesterol Levels in the High Normal Range in Humans", <i>Circulation</i> , <b>1997</b> , 96(10), 3287-3293
116	Stocks, J. et al., "Lipoprotein lipase genotypes for a common premature termination codon mutation detected by PCR-mediated site-directed mutagenesis and restriction digestion", <i>J. Lipid. Res.</i> , <b>1992</b> , 33, 853-857
117	Strauss, J.G. et al., "Generation of adult LPL-deficeint mice", <i>Atherosclerosis</i> , <b>2000</b> , 151, 158 (abstract)
118	Stroes, E. et al., "NO activity in familial combined hyperlipidemia: potential role of cholesterol remnants", <i>Cardiovasc. Res.</i> , <b>1997</b> , 36, 445-452
119	Taskinen, M-R. Et al., "High density lipoprotein subfractions in relation to lipoprotein lipase activity of tissues in man-evidence for reciprocal regulation of HDL2 and HDL3 levels by lipoprotein lipase", <i>Clin. Chim. Act.</i> , <b>1981</b> , 112, 325-332
120	Tratschin, J-D. et al., "Genetic Analysis of Adeno-Associated Virus: Properties of Deletion Mutants Constructed in Vitro and Evidence for an Adeno-Associated Virus Replication Function", <i>J. Virol.</i> , <b>1984</b> , 51(3), 611-619

**EXAMINER****DATE CONSIDERED**

**RECEIVED**

OCT 02 2002

Sheet 13 of 15

**Form PTO-1449 Modified****TECH CENTER 1600/2900**

Docket No.

**SMAR-0013**

Serial No.

**10/019,341**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Applicant

**Hayden, M.R. et al.**

Filing Date

**May 3, 2002**

Group

**Not Yet Assigned****OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	<b>121</b>	Tratschin, J-D., et al., "Adeno-Associated Virus Vector for High Frequency Integration, Expression, and Rescue of Genes in Mammalian Cells", <i>Mol. Cell. Biol.</i> , <b>1985</b> , 5, 3251-3260
	<b>122</b>	Tratschin, J-D. et al., "A Human Parovirus, Adeno-Associated Virus, as a Eucaryotic Vector: Transient expression and Encapsidation of the Procaryotic Gene for Chloramphenicol Acetyltransferase", <i>Mol. Cell. Biol.</i> , <b>1985</b> , 4, 2072-2081
	<b>123</b>	Van Beuschem, V.W. et al., "Long-Term Expression of Human Adenosine Deaminas in Rhesus Monkeys Transplanted with Retrovirus-Infected Bone-Marrow Cells", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1992</b> , 89(16), 7640-7644
	<b>124</b>	Vogel, R.A., MD. et al., "Effect of a Single High-Fat Meal on Endothelial Function in Healthy Subjects", <i>Am. J. Cardiol.</i> , <b>1997</b> , 79, 350-354
	<b>125</b>	Weinstock, P.H. et al., "Severe Hypertiglyceridemia, Reduced High Density Lipoprotein, and Neonatal Death in Lipoprotein Lipase Knockout Mice", <i>J. Clin. Invest.</i> , <b>1995</b> , 96, 2555-2568
	<b>126</b>	Wess, G. et al., "Modified Bile Acids: Preparation of 7 $\alpha$ , 12 $\alpha$ -Dihydroxy-3 $\beta$ - and 7 $\alpha$ , 12 $\alpha$ -Dihydroxy-3- $\alpha$ -(2-Hydroxyethoxy)-5 $\beta$ -Cholanic Acid and Their Biological Activity", <i>Tetrahedron Letters</i> , <b>1992</b> , 33, 195-198
	<b>127</b>	Wess, G. et al., "Preparation of 3 $\alpha$ - and 3 $\beta$ -(w-Aminoalkoxy)-7 $\alpha$ , 12 $\alpha$ -Dihydroxy-5 $\beta$ -Cholanoic Acid Esters: Versatile Shuttles for Drug Targeting", <i>Tetrahedron Letters</i> , <b>1992</b> , 34(5), 817-822
	<b>128</b>	Wilcox, J.N. et al., "Expression of Multiple Isoforms of Nitric Oxide Synthase in Normal and Atherosclerotic Vessels", <i>Arterioscler. Thromb. Vasc. Biol.</i> , <b>1997</b> , 17(11), 2479-2488
	<b>129</b>	Wilson, et al., "Prevalence of Coronary Heart Disease in the Framingham Offspring Study: Role of Lipoprotein Cholesterols", <i>Am. J. Cardiol.</i> , <b>1980</b> , 46, 649-654
	<b>130</b>	Wilson, J.M. et al., "Retrovirus-Mediated Transductions of Adult Hepatocytes", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1988</b> , 85(9), 3014-3018

**EXAMINER****DATE CONSIDERED**





RECEIVED

OCT 02 2002

TECH CENTER 1600/2900

Sheet 14 of 15

## Form PTO-1449 Modified

Docket No.  
SMAR-0013Serial No.  
10/019,341List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)Applicant  
Hayden, M.R. et al.U.S. Department of Commerce  
Patent and Trademark OfficeFiling Date  
May 3, 2002Group  
Not Yet Assigned

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	131	Wilson, J.M. et al., "Hepatocyte-directed Gene Transfer <i>in Vivo</i> Leads to Transient Improvement of Hypercholesterolemia in Low Density Lipoprotein Receptor-deficient Rabbits", <i>J. Biol. Chem.</i> , <b>1992</b> , 267(2), 963-967
	132	Wion, K.L. et al. "Human Lipoprotein Lipase Complementary DNA Sequence", <i>Science</i> , <b>1987</b> , 235(4796), 1638-1641
	133	Wittrup, H. H. et al., "A Common Substitution (Asn291Ser) in Lipoprotein Lipase is Associated with Increased Risk of Ischemic Heart Disease", <i>J. Clin. Invest.</i> , <b>1997</b> , 99(7), 1606-1613
	134	Wittrup, H.H. MD, PhD. et al., "Lipoprotein Lipase Mutations, Plasma Lipids and Lipoproteins, and Risk of Ischemic Heart Disease: A Meta-Analysis", <i>Circulation</i> , <b>1999</b> , 99(22), 2901-2907
	135	Wolff, J.A. et al., "Direct Gene Transfer into Mouse Muscle <i>in Vivo</i> ", <i>Science</i> , <b>1990</b> , 247(4949), 1465-1468
	136	Wondisford, F.E. et al., "cloning of the Human Thyrotropin $\beta$ -Subunit Gene and Transient Expression of Biologically Active Human Thyrotropin after Gene Transfection", <i>Mol. Endocrinol.</i> , <b>1988</b> , 2, 32-39
	137	Wu, G.Y. et al., "Receptor-mediated Gene Delivery and Expression <i>in Vivo</i> ", <i>J. Biol. Chem.</i> , <b>1988</b> , 263(29), 14621-14624
	138	Zechner, R. "The tissue-specific expression of lipoprotein lipase: implications for energy and lipoprotein metabolism", <i>Curr. Opin. Lipidol.</i> , <b>1997</b> , 8(2), 77-88
	139	Zhang, H. et al., "Patients with ApoE3 Deficiency (E2/2, E3/2, and E4/2) Who Manifest with Hyperlipidemia Have Increased Frequency of an Asn 291- Ser Mutation in the Human LPL Gene", <i>Arterioscler. Thromb. Vasc. Biol.</i> , <b>1995</b> , 15(10), 1695-1703
	140	Zhang, H. et al., "Common sequence variants of lipoprotein lipase: standardized studies of <i>in vitro</i> expression and catalytic function", <i>Biochimica et Biophysica Acta</i> , <b>1996</b> , 1302, 159-166
	141	Kastelein JJP., et al. "The Asn9 variant of lipoprotein lipase is associated with the- 93 G promoter mutation and an increased risk of coronary artery disease", <i>Clin Genet</i> , <b>1998</b> , 53, 27-33

EXAMINER

DATE CONSIDERED

**RECEIVED**

OCT 02 2002

Sheet 15 of 15

Form PTO-1449 Modified

TECH CENTER 1600/2900

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Sheet No.

SMAR-0013

Serial No.

10/019,341

Applicant

Hayden, M.R. et al.

Filing Date

May 3, 2002

Group

Not Yet Assigned

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	142	4,554,101	11/19/85	Hopp	260	112.5
	143	4,868,116	09/19/89	Norgan, et al.	435	240.2
	144	4,980,286	12/25/90	Morgan, et al.	435	172.3
	145	5,166,320	11/24/92	Wu, et al.	530	395
	146	5,399,346	03/21/95	Anderson, et al.	424	93.21
	147	5,658,729	08/19/97	Hayden, et al.	435	6

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	148	WO 89/07136	08/10/89	PCT		
	149	WO 89/02468	03/23/89	PCT		
	150	WO 89/05345	06/15/89	PCT		
	151	WO 92/07573	05/14/92	PCT		
	152	WO 95/05452	02/23/95	PCT		
	153	WO 95/27512	10/19/95	PCT		

**EXAMINER****DATE CONSIDERED**